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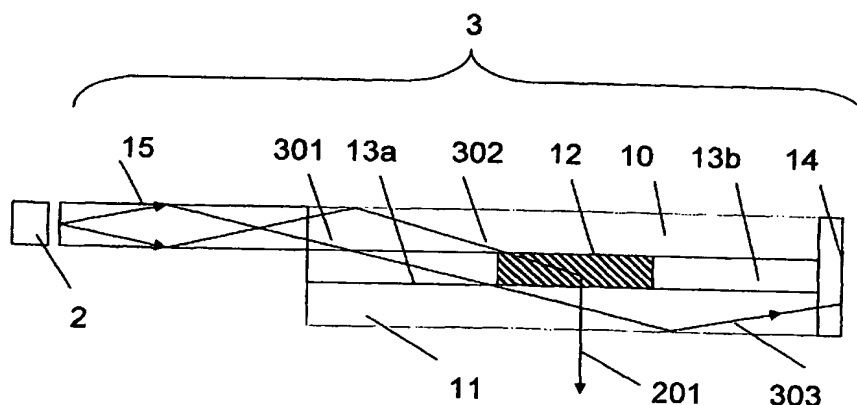
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(54) Title: **SWITCHABLE VIEWFINDER DISPLAY**



(57) Abstract: A compact high quality and lightweight symbol generator (3) for projecting symbolic information into the field of view of a viewfinder is provided. The symbol generator (3) comprises at least one Electrically Switchable Bragg Gratings (ESBG) (13a, 12, 13b) device sandwiched between a pair of transparent plates (10, 11) which together function as a total internal reflection lightguide, switching electrodes and means for coupling illumination into the light guide. Each ESBG device contains information encoded in a multiplicity of separately switchable grating regions (12). A plurality of independently switchable transparent electrodes elements, substantially overlay the separately switchable grating regions (12).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/14124

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G02B 6/34

US CL : 10, 24, 37, 8-9, 16-23, 39, 40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 10, 24, 37, 8-9, 16-23, 39, 40

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	US 6,614,948 B2 (JACOBOWITZ ET AL.) 02 SEPTEMBER 2003 (02.09.2003) SEE ABSTRACT	1-10
A,E	US 6,816,650 B2 (YERLAN ET AL.) 09 NOVEMBER 2004 (09.11.2004) SEE ABSTRACT	1-10

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/14124

Continuation of B. FIELDS SEARCHED Item 3:
(OPTICAL ADJ VIEWFINDER) AND GENERATOR\$1 AND (ELECTRICALLY ADJ SWITCHABLE) AND (BRAGG ADJ
GRATING\$1) AND (TRANSPARENT ADJ PLATE\$1) AND (SWITCHABLE ADJ GRATING)